

Title (en)

Apparatus and method for correcting errors in transport format indicators (TFI) of W-CDMA communication system

Title (de)

Vorrichtung und Verfahren zur Fehlerkorrektur für Transportformatindikatoren (TFI) in einem W-CDMA Kommunikationssystem

Title (fr)

Dispositif et procédé pour la correction d'erreurs dans des indicateurs de format de transport (TFI) dans un système de de communication W-CDMA

Publication

EP 1531573 A3 20051012 (EN)

Application

EP 04030582 A 20020108

Priority

- EP 02250117 A 20020108
- JP 2001240356 A 20010808

Abstract (en)

[origin: EP1286489A2] Disclosed is a communication system in which it is possible to detect a TFI (Transport Format Indicator) even if a TFCI (Transport Format Combination Indicator) cannot be decoded correctly. The system includes a transmitting apparatus (61,62,63) which, when a transmission is made, encodes transmit data of each transport channel (TrCH) at a prescribed transmission time interval (TTI), partitions the encoded data at a frame period to obtain frame data of a prescribed bit length, multiplexes and transmits the frame data of each TrCH and transmits TFCI information that specifies the frame data length of each TrCH. The system includes a receiving apparatus for comparing, on a per-TrCH basis, the TFIs of a plurality of frames within a transmission time interval (TTI) conforming to the TrCH and, if TFIs differ, deciding the transport format (TFI) in this transmission time interval (TTI) by majority decision or, alternatively based on reliability information generated during TFCI decoding.

<IMAGE>

IPC 1-7

H04L 1/00

IPC 8 full level

H04J 3/00 (2006.01); **H04J 13/00** (2011.01); **H04L 1/00** (2006.01); **H04L 27/18** (2006.01)

CPC (source: EP US)

H04L 1/0025 (2013.01 - EP US); **H04L 1/0039** (2013.01 - EP US); **H04L 1/0045** (2013.01 - EP US); **H04L 1/0071** (2013.01 - EP US); **H04L 1/0072** (2013.01 - EP US); **H04L 1/0079** (2013.01 - EP US); **H04L 1/0091** (2013.01 - EP US); **H04L 2001/0096** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1286489 A2 20030226; **EP 1286489 A3 20030416**; **EP 1286489 B1 20050420**; DE 60203766 D1 20050525; DE 60203766 T2 20051110; DE 60235774 D1 20100506; EP 1531573 A2 20050518; EP 1531573 A3 20051012; EP 1531573 B1 20130102; EP 1531574 A2 20050518; EP 1531574 A3 20051012; EP 1531574 B1 20100324; EP 1531575 A2 20050518; EP 1531575 A3 20051012; JP 2003051807 A 20030221; JP 4318412 B2 20090826; US 2003035467 A1 20030220; US 7130352 B2 20061031

DOCDB simple family (application)

EP 02250117 A 20020108; DE 60203766 T 20020108; DE 60235774 T 20020108; EP 04030582 A 20020108; EP 04030583 A 20020108; EP 04030584 A 20020108; JP 2001240356 A 20010808; US 3783602 A 20020103